

MORE is BETTER

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# Focus

- ▶ Estimating CME mass

# Focus

- ▶ Estimating CME mass using **1** view

# Focus

- ▶ Estimating CME mass using  views

# Focus

- ▶ Estimating CME mass using 3 views

3

views

# How to ...

- ▶ Mass calculation is well established

# How to ...

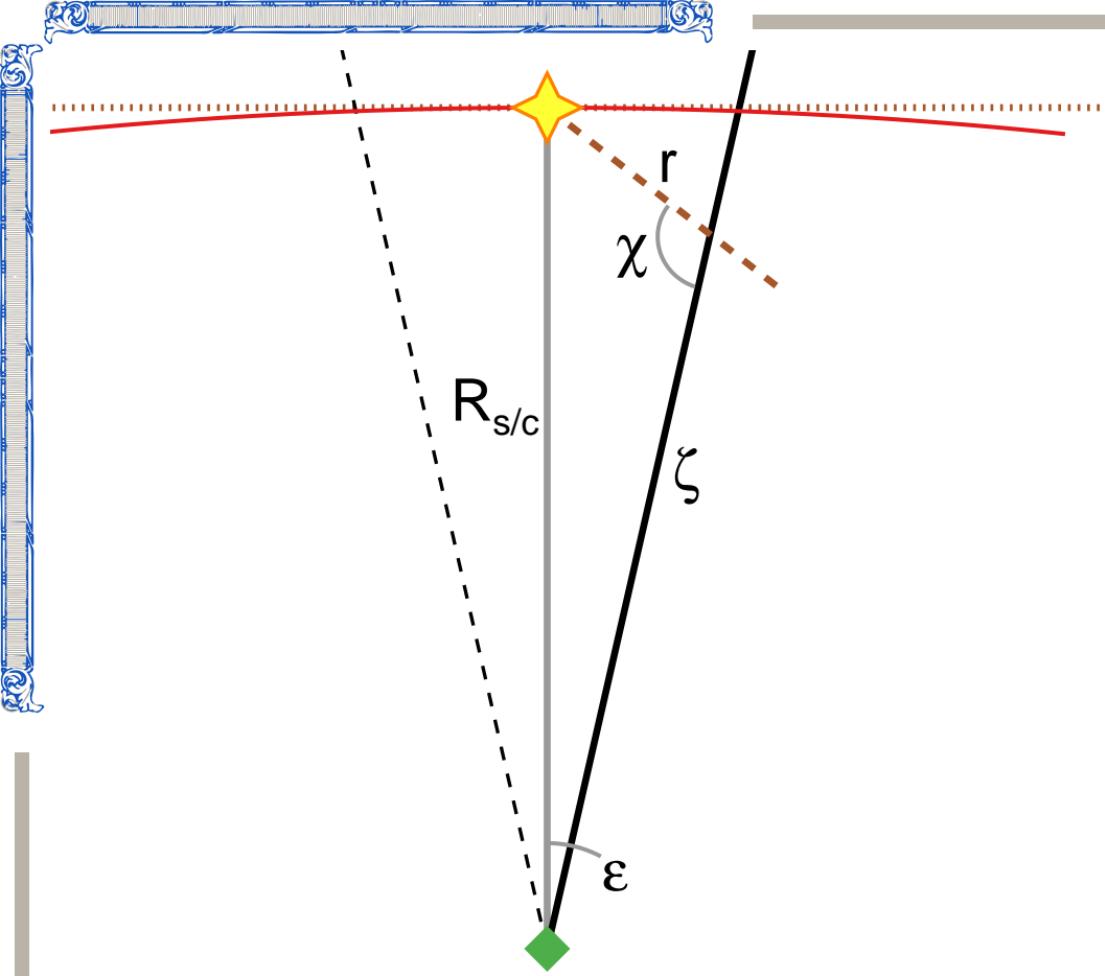
- ▶ Mass calculation is well established
  - Gosling et al. [1974]
  - Hildner et al. [1975]

# How to ...

► MSB =  $\frac{\pi\sigma}{2} \int \mathcal{M}(\zeta, \varepsilon) n_e(\zeta, \varepsilon) d\zeta$

where

$$\mathcal{M} \equiv (1 - u)(2C - A \sin^2 \chi) + u(2D - B \sin^2 \chi),$$



# How to ...

- ▶ Assume a point source of electrons,  
 $n_e(\zeta, \varepsilon) \equiv n_0(\varepsilon) \delta(\zeta - \zeta_0),$

# How to ...

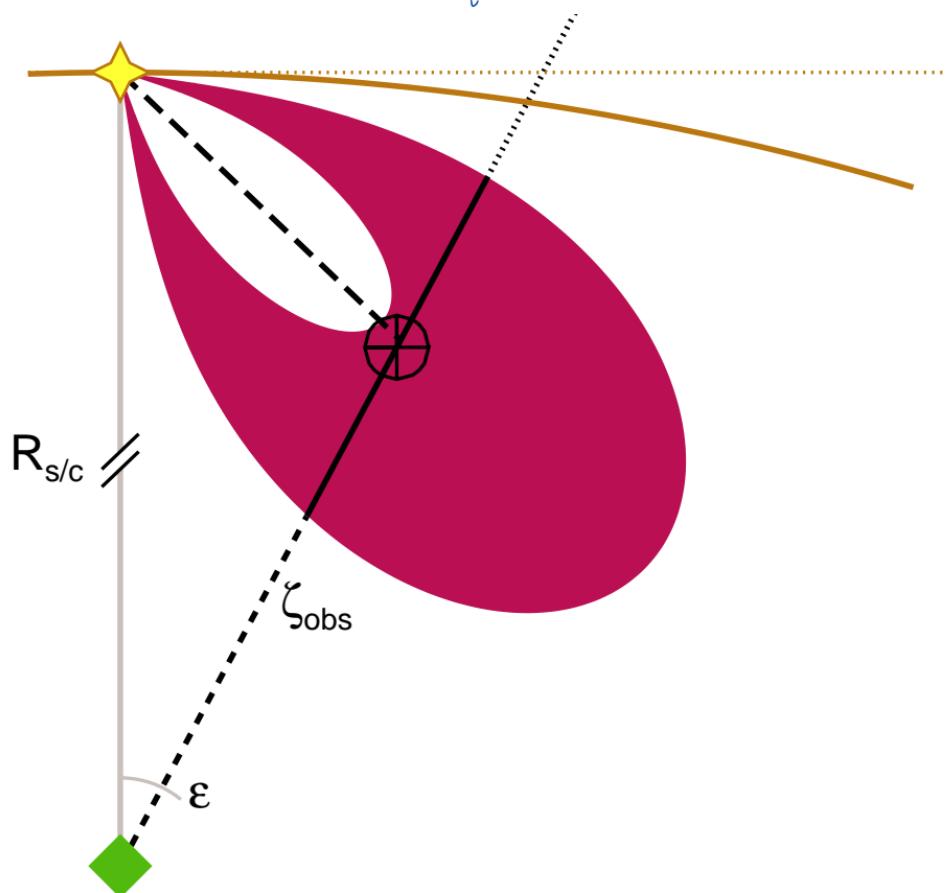
►  $N_e(\varepsilon) = \int n_0(\varepsilon) \delta(\zeta - \zeta_0) \zeta^2 d\zeta d\Omega$

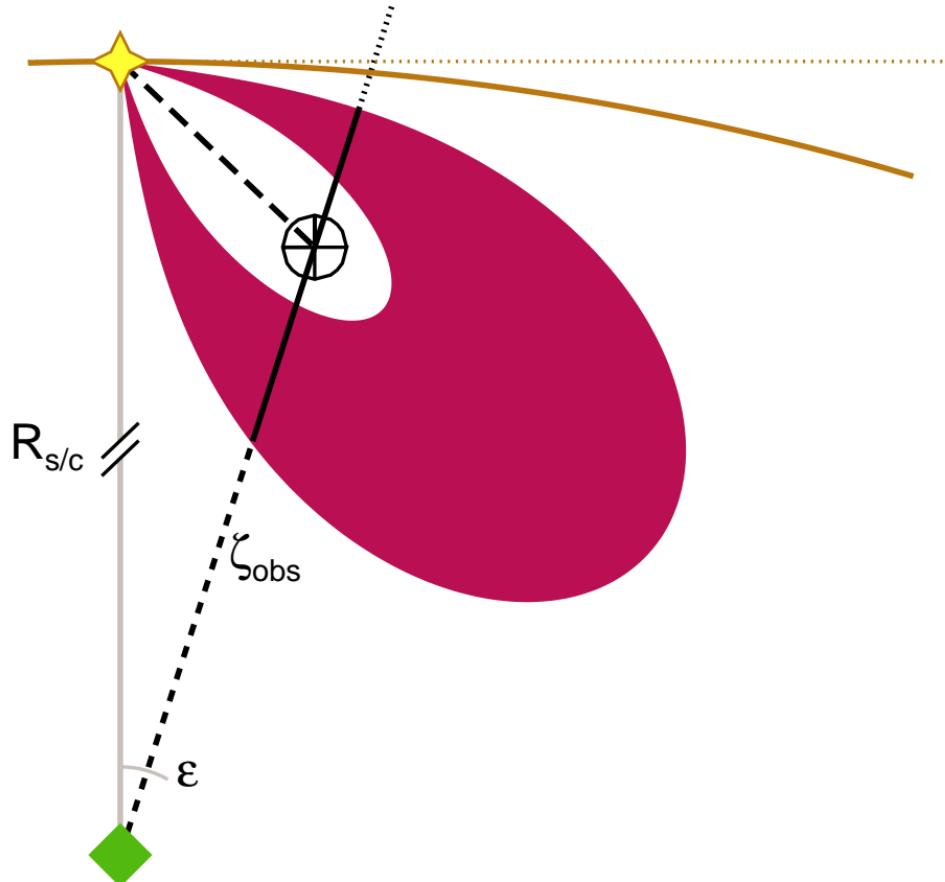
# How to ...

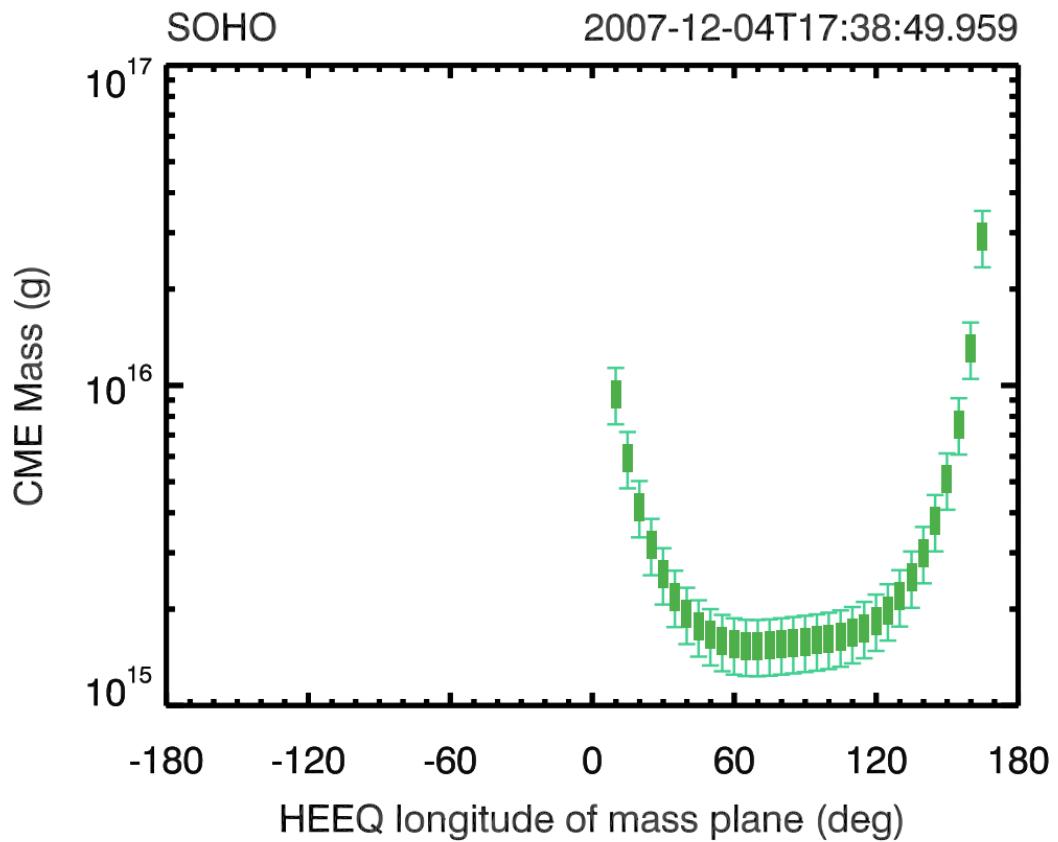
- ▶ Finally, ascribe an effective mass to each electron by assuming some coronal composition

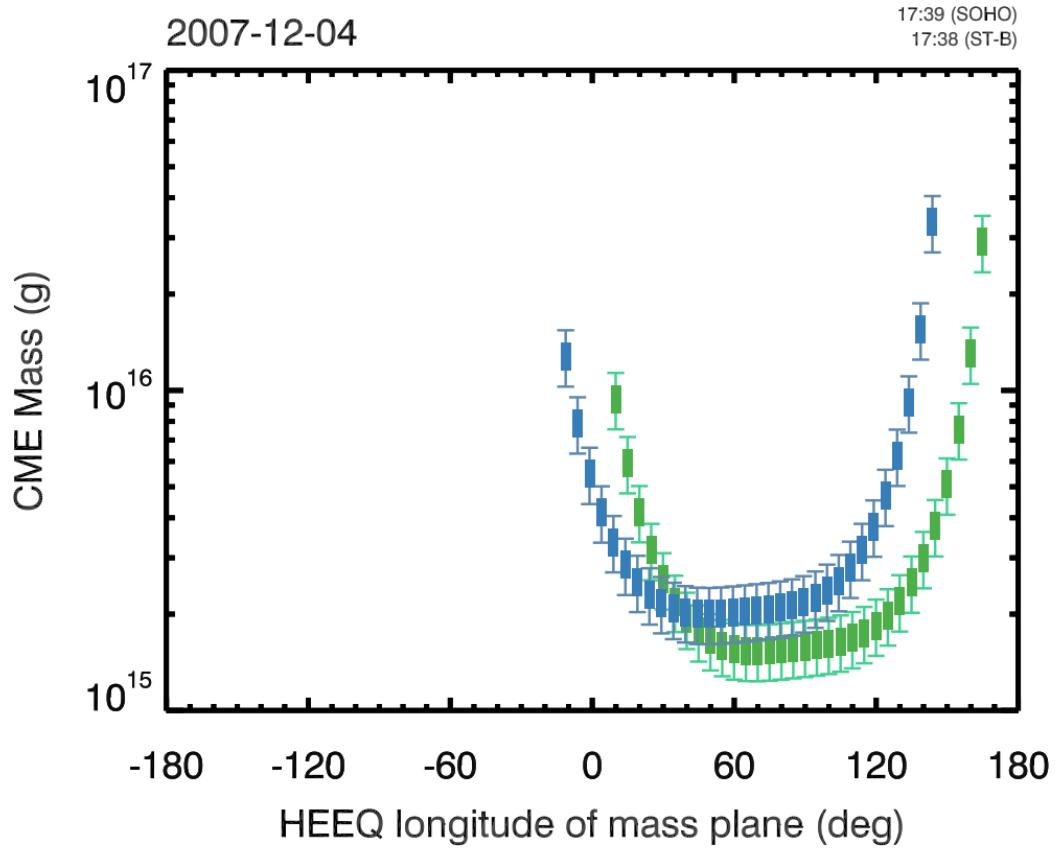
# How to ...

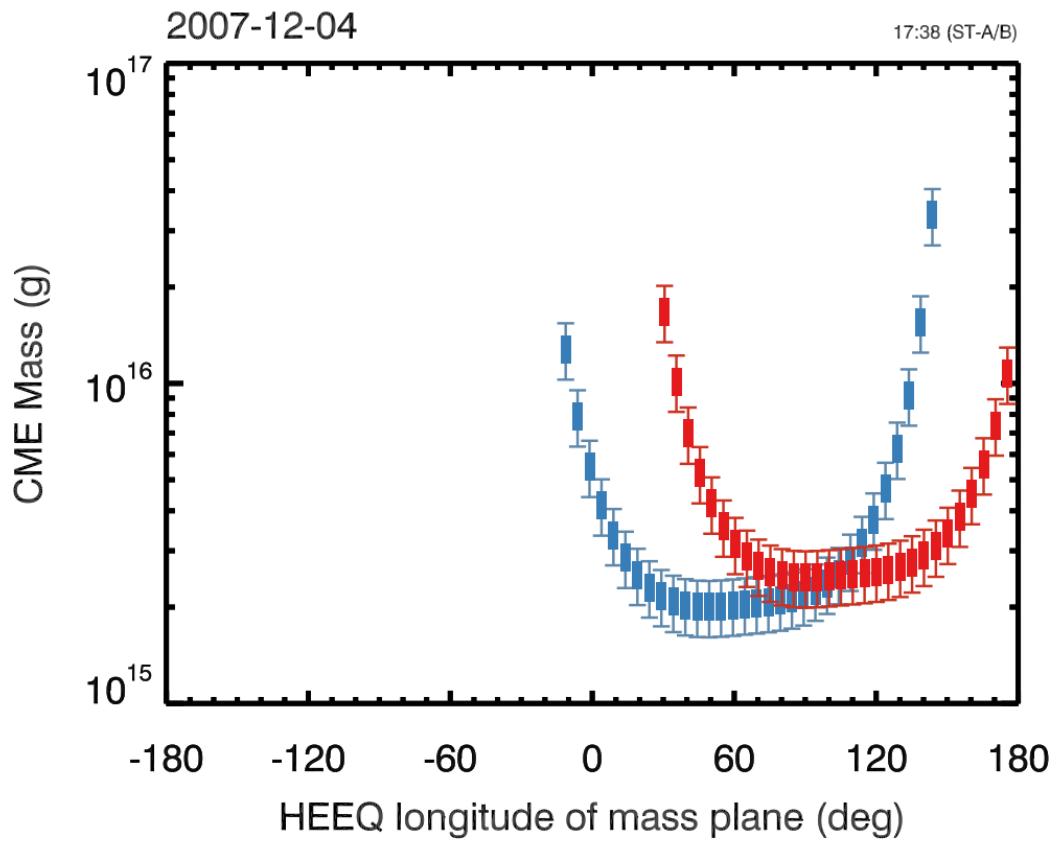
- ▶ Finally, ascribe an effective mass to each electron by assuming some coronal composition
  - 90% hydrogen, 10% helium, and fully ionized

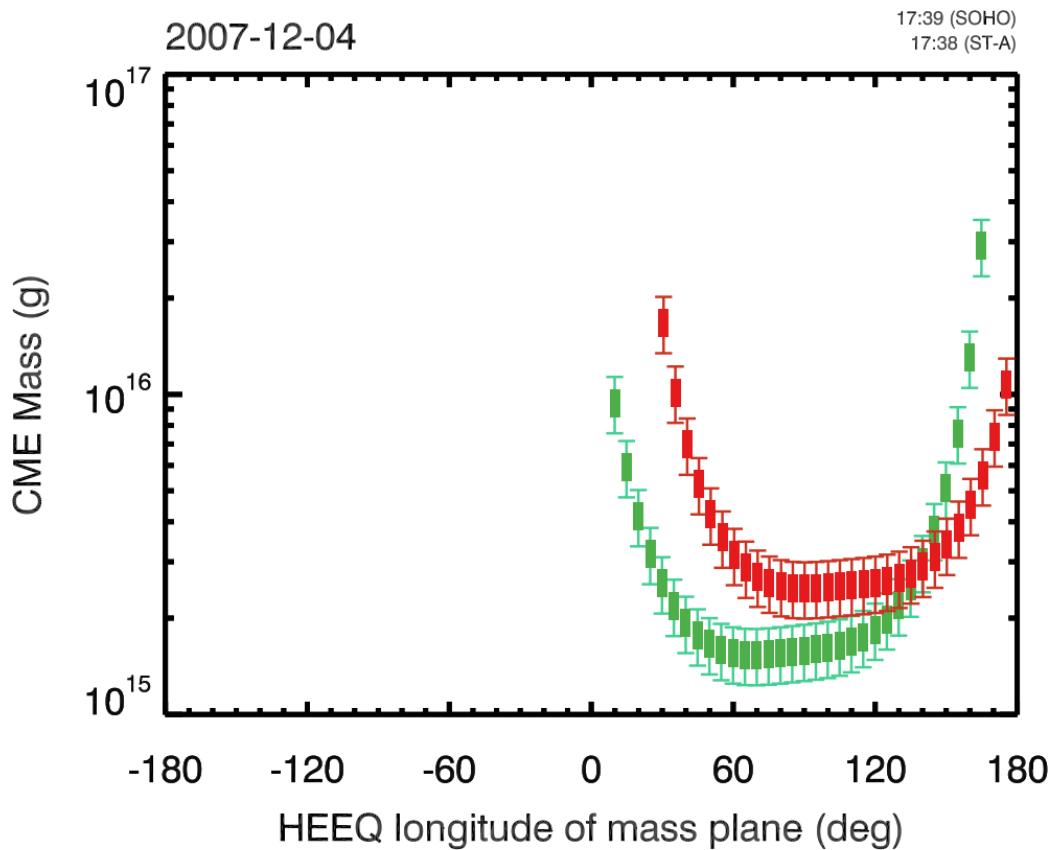


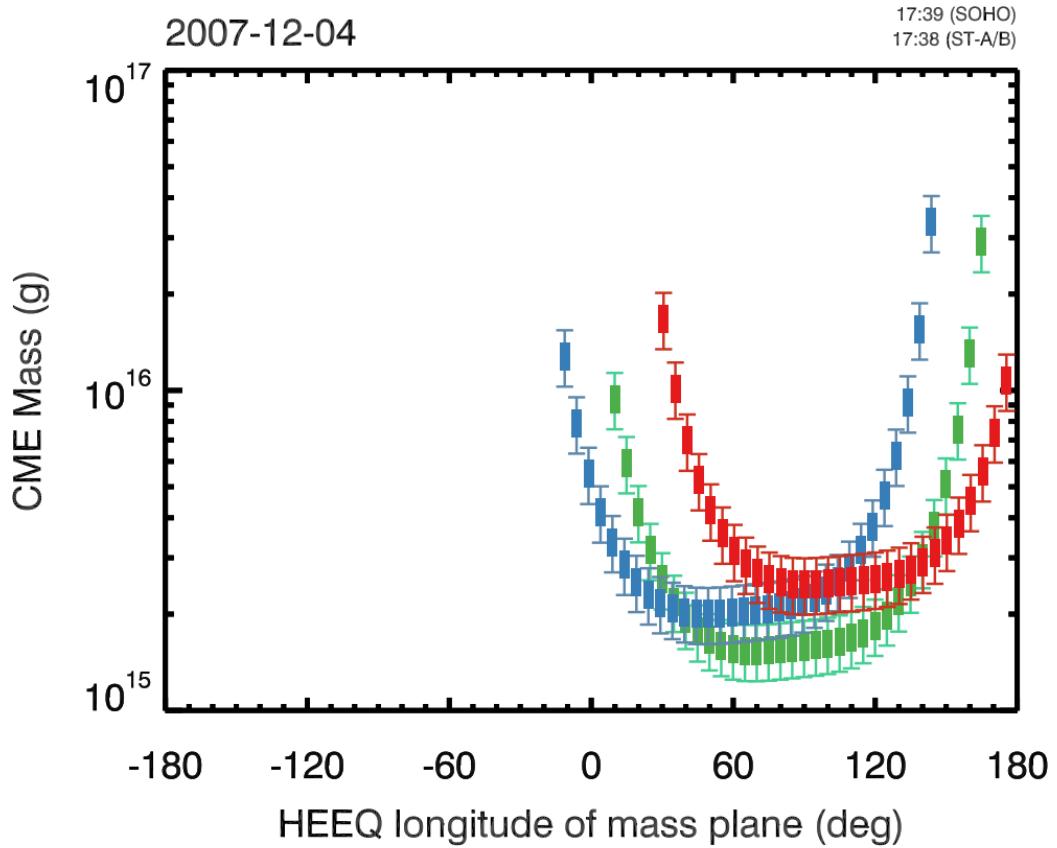












# Conclusion

- ▶ More *views* is better

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  - 2 views are better than 1 ...

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- ▶ More views *is* better
  - 2 views are better than 1 ...
  - but 3 are better yet!